www.club-3d.com

User's Guide

This Manual Contains the Following Languages for Product Installation:

- English Language
- German Language
- French Language
- Spanish Language

This Manual apply to the following VGAs:

- **CGA-X966VTVD**
- **CGA-X968VTVD**
- **CGA-X966TVD**
- **CGA-X968TVD**
- **CGA-P966TVD**
- **CGA-P968TVD**
- **CGA-E966TVD**
- **CGA-E968TVD**
- **CGA-S968TVD**

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CHAPTER 1
INTRODUCTION

The RADEON 9600 SERIES provides one of the fastest and most advanced 2D, 3D, and multimedia graphics performance for desktop computers. Its architecture introduces the latest achievements in the graphics industry, which enable the use of the progressive new features in upcoming applications, but without compromising performance. ATI's support of DirectX® 9 features, highly optimized OpenGL® support, and flexible memory configurations allow implementations targeted at the gaming enthusiast, consumer, business and workstation platforms.

Features:

- **Powered by the RADEON 9600 SERIES Visual Processing Unit (VPU).**
- **Awesome 3D gaming performance.**
- **Support for OpenGL® applications.**
- **Support for Direct 3D® applications.**
- **Second generation to Support Microsoft® DirectX®9.0.**
- **High resolution in 3D up to 2048x1536.**
- **Best performance for today's and tomorrow's applications.**
- **VIDEO IMMERSION™ II which provides industry-leading DVD playback and digital TV decode capability.**
- **CHARISMA ENGINE™ II which is the main GPU, providing the necessary power to accelerate today's 3D games and applications.**

- **SMARTSHADER™ 2.0 technology which can realistically create the visual properties of any material, like glass, metal, wood, and produce 3D depth by rendering the object's shadows**
- **SMOOTHVISION™ 2.0, which provides users with various degrees of, jagged edge removal from 3D images, allowing users to configure their own high quality or high performance gaming experience**
- **PIXEL TAPESTRY™ II which provides even greater 3D rendering power**
- **Dual independent displays (DVI/CRT, DVI/TV, CRT/TV)**

* **Provides DVI (Digital Visual Interface) output port (optional)**
* **Provides S-video connect (optional)**
* **DVI-I-To-VGA Adapter (optional)**
* **HydraVision™ software (optional)**

MACROVISION

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1.1 Performance

The **RADEON 9600 SERIES** is a graphics accelerator card. Computer functions like disk access and numerical calculation are not accelerated by the **RADEON 9600 SERIES**. It is not unusual to obtain an overall system speed increase of 2 times for graphics-heavy applications after installing the **RADEON 9600 SERIES**. The speed of pure graphics operations, like dragging objects with a mouse, scrolling, and resizing, will be remarkably improved.

1.2 Software Compatibility

The key function of the **RADEON 9600 SERIES** is its VGA compatibility. Unlike coprocessor-based, or IBM® 8514A-type display cards, the **RADEON 9600 SERIES** is 100% compatible with your DOS computer. This means that all DOS software will run correctly with the **RADEON 9600 SERIES** VGA without modification.

The VGA compatibility includes backward compatibility with the EGA, CGA and MDA standards. All DOS software will include drivers for at least one of these display types and will be fully compatible with the **RADEON 9600 SERIES**. The **RADEON 9600 SERIES** is also fully compatible with AGP BIOS extensions for resolutions higher than 640x480.

When the **RADEON 9600 SERIES** is used in VGA, backward compatibility or 16-color AGP modes, the graphics engine of the **ATI RADEON 9600 SERIES** card is not used. The speed in these modes will be comparable to the fastest type of standard VGA card.

1.3 Monitor Compatibility

The **RADEON 9600 SERIES** will work with any VGA, Super VGA or Multisync monitor.

Super VGA monitors can support IBM® standard VGA plus the 800x600 extended mode used by most VGA cards, and the 1024x768 interlaced mode used by most VGA cards and the IBM® 8514A.

Multisync monitors are more expensive and will work at all Super VGA resolutions plus additional higher resolutions or refresh rates. The most useful multisync monitor specification for determining maximum resolution and refresh capability is the horizontal frequency range. For PC use, the lower limit of the range must be no less than 30KHz. The upper limit is usually 48K Hz, 57K Hz or 64K Hz. These correspond to a maximum resolution of 1024 x 768, 60 Hz refresh, 1024 x768, 72 Hz refresh rate; and 1280x1024, 60 Hz refresh rate, respectively.

By default, the **RADEON 9600 SERIES** will drive your monitor at a screen refresh rate of 60 Hz. In other words, it repaints the screen 60 times per second. If the screen is not displayed properly when you boot your system, your monitor may not support this refresh rate for the resolution chosen. In this case, you must either lower the resolution to one that can be supported at 60Hz or lower the refresh rate. The maximum refresh rate supported by your monitor is specified with the Refresh Rate utility.

Refer to your manual for information on the monitor capabilities. If you are not sure what refresh rate is supported, you can always try a higher rate. If the screen looks good, the rate is supported (and will be easier on your eyes).

CHAPTER 2
HARDWARE INSTALLATION

2.1 What's Included in the Package

The VGA card package includes the following:

1. **VGA Card**
2. **Software CD which contains the necessary files**
3. **This User's manual**

2.2 Installing the Card

1. Unplug the computer and remove the cover.

Shut down the computer and turn off any attached equipment (such as a monitor or printer).

Unplug the power cord.

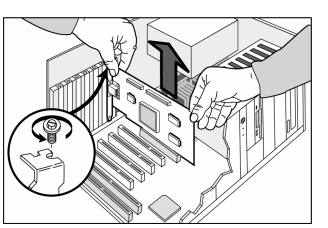
Remove the cover.

2. Remove the current graphics card.

If there is a graphics card currently in the computer, use the following guidelines to remove it:

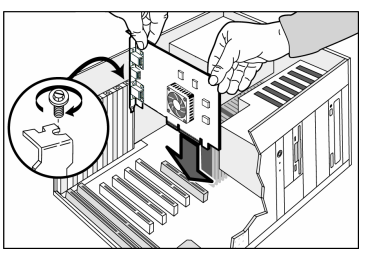
Detach any cables which are attached to the current graphics card and remove the bracket screw locking the card down.

Grasp the card by the edges and pull it straight out of the motherboard slot. If the card sticks in the slot, rock it gently from end to end to dislodge it. Remember to save the screw.



Note: If the computer has a graphics chip soldered down on the motherboard, refer to the manual for the system or motherboard for information on how to disable it.

3. Insert the Graphics Accelerator card.



Locate the empty AGP socket on the motherboard and use the following instructions to insert the **RADEON 9600 SERIES** Graphics Accelerator reference card into that socket:

Grasp the **RADEON 9600 SERIES** Graphics Accelerator reference card by its edges.

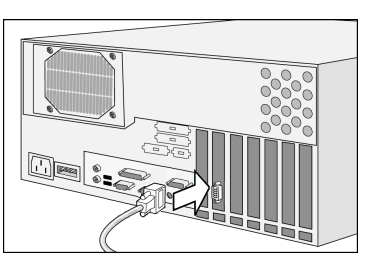
Align it with the empty AGP socket on the motherboard, and gently insert it into place.

Make sure that the card is pressed evenly and completely into the socket.

Fasten the card with the bracket screw.

Note: Use the figure above to help locate the Accelerated Graphics Port (AGP) socket on your motherboard. The exact configuration of the components on your motherboard may differ from the figure. Look for a single, smaller socket between the set of PCI sockets and the processor.

4. Reconnect all cable and Replace the cover.

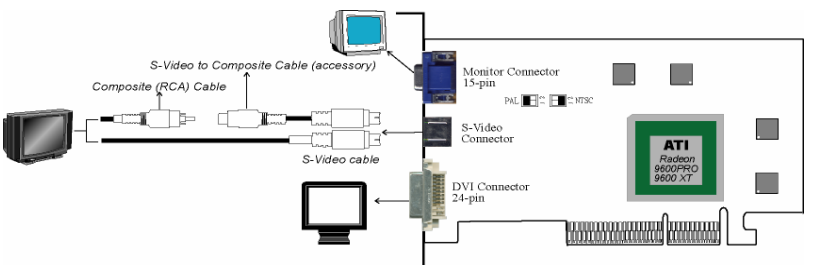


Plug the cable from your computer monitor into the back of the **RADEON 9600 SERIES** Graphics Accelerator reference card. Make sure it is securely fastened.

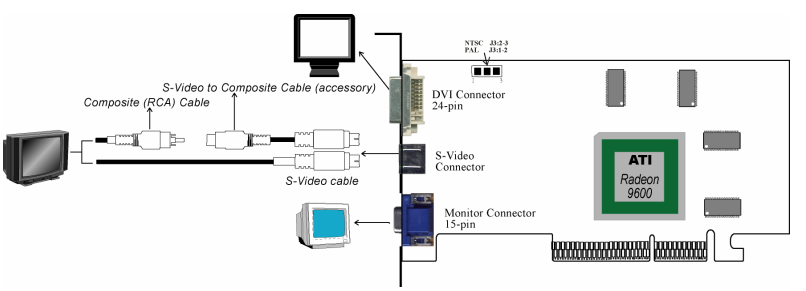
Carefully replace the computer cover and plug the power cord back in.

2.3 Board Layout

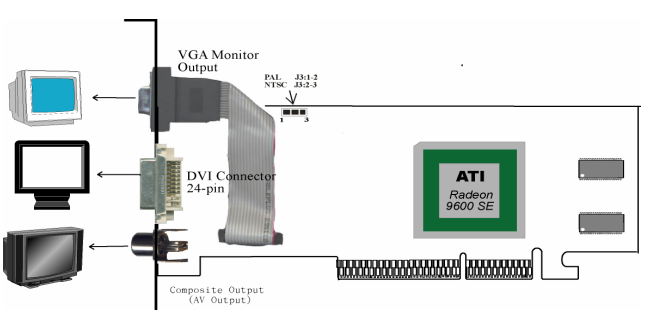
■ CGA-P968TVD



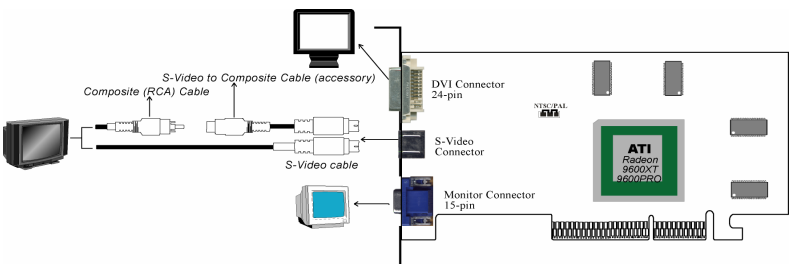
■ CGA-E966TVD / CGA-E968TVD



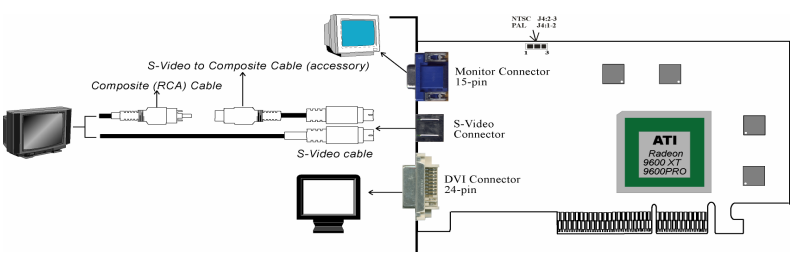
■ CGA-S968TVD



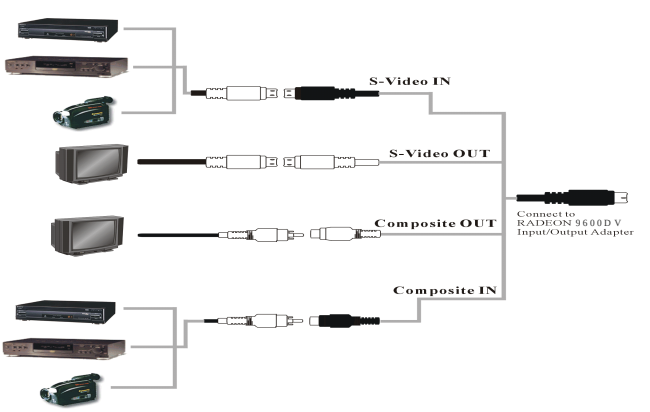
■ CGA-X966TVD / CGA-P966TVD



■ CGA-X966VTVD / CGA-X968VTVD / CGA-X968TVD



Use the **RADEON 9600DV** input/output adapter to connect a VCR, camcorder, or laserdisc player to your **RADEON 9600DV** card, as shown.



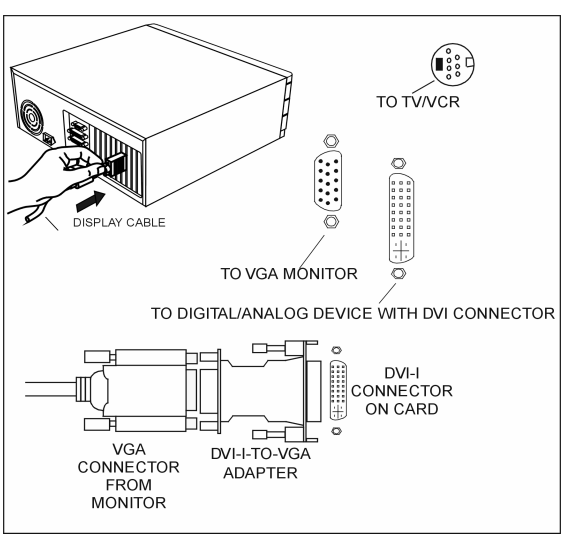
2.4 Multiple Monitors

Your **RADEON 9600 SERIES** provides dual display functionality and TV Out from a single video card. This new technology changes the way you view your PC, TV, and video graphics.

The **RADEON 9600 SERIES** uses HydraVision™ software to create a seamless multiple display desktop. Multiple monitor display works as one large work area. A single application can span all monitors, or many applications can occupy their own specific monitor. This feature will take your PC's graphics and video capabilities to the next level.

Connecting your RADEON 9600 SERIES to your monitors

The **RADEON 9600 SERIES** provides support for one DVI-I monitor or two VGA monitors using the supplied DVI-I-to-VGA adapter. A television can also be used to expand your desktop by using the S-Video connector.



2.5 RADEON 9600 SERIES Display Configurations

The following table lists the different ways you can connect displays to your card.

Display Configuration	Connector(s) Used	Comments
One CRT display	VGA connector **OR** DVI-I connector with DVI-I-to-VGA adapter	CRT- cathode ray tube analog display
One DFP display	DVI-I connector	DFP- digital flat panel display
One TV	TV Output	Cards with S-Video out also support Composite out via an S-Video-to-Composite adapter. Cards with Composite out **DO NOT** support connection to TVs with S-Video Input.
CRT display +TV	VGA connector + TV Output	Unsupported configuration if the CRT display is attached to the DVI-I connector via a DVI-I-to-VGA adapter
DFP display + TV	DVI-I connector + TV Output	
CRT display + DFP display	VGA connector + DVI-I connector	
CRT display + CRT display	VGA connector + DVI-I connector with DVI-I-to-VGA adapter	The DVI-I connector can support a CRT display using a DVI-I-to-VGA adapter
CRT display + DFP display + TV	VGA connector + DVI-I connector + TV Output	The TV display will "clone" the image of one of the other two displays.
CRT display + CRT display + TV	UNSUPPORTED CONFIGURATION	

CHAPTER 3
SOFTWARE INSTALLATION

The **RADEON 9600 SERIES** is 100% VGA compatible and as such needs no special display drivers to run application software correctly at standard VGA resolutions and color depths. However, enhanced display drivers are supplied with the VGA card because they provide accelerated performance, higher color depths and higher resolutions for software applications. The VGA card supports resolutions as high as 1600x1200 pixels, and color depths of up to 32 bits per pixel. Higher graphics resolutions and higher color depths provide greater clarity and detail when using the supplied drivers for graphics programs. When configuring your software to work with the board, it may help to bear in mind that the drivers compatible with the VGA card fall into four categories.

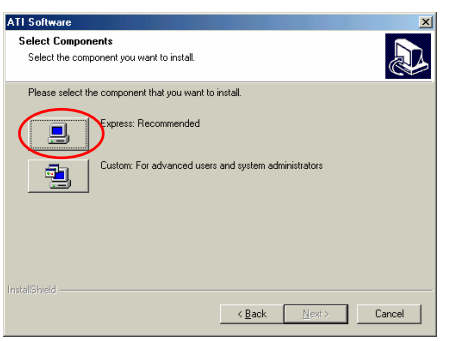
3.1 Installing on Windows 98/Me

General Installation Notes:

- **If your motherboard does not support Intel processor, please install the AGP Driver provided by the motherboard company before you install VGA Driver.**
- **Before installing our user-friendly VGA configuration utility, please set up the VGA display as "standard PCI Graphics Adapter" mode.**
- **Microsoft DircetX allows 3D hardware acceleration support in Windows 98/Me. For software MPEG support in Windows 98/Me, you must first install the Microsoft DirectX, and then an MPEG Video Player.**

1. Start Windows.
2. Switch display to Windows' Standard Display Adapter (VGA) mode and then restart Windows.
3. Insert the CD installation disc into your CD-ROM drive.

4. The CD should autorun and the following screen will appear.
   Note: if the CD does not autorun click on "Start", then "Run", then type in "D:\ATISETUP.EXE" and click "OK".
   (If D is not your CD-ROM drive, substitute D with the correct drive letter.)
5. Click on "**ATI Easy Install"** to begin the Installation Wizard.
6. When the Welcome box appears. Click on the "**Next**" button to go to the next step.
7. The License Agreement dialog box appears. Click on "**Yes**" button.
8. The Select Components dialog box appears. Click on "**Express**" button.

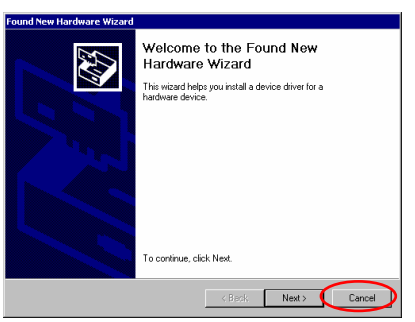


9. When the Windows SETUP has completed copying the files to the computer. Windows will prompt you to restart Windows with the **"Yes"** option. Then click on "**Finish**" button.

WARNING:
Some games written for older DirectX versions may not work properly under DirectX8. Make sure that your applications or games support DirectX8 before installing the DirectX8 runtime libraries.

3.2 Installing on Windows 2000

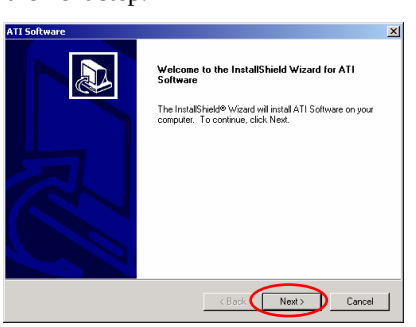
1. Start Windows.
2. When Windows detects your graphics card, the **Found New Hardware Wizard** dialog box appears.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

3. Click **Cancel** to enter the Windows desktop.
4. Insert the CD installation disc into your CD-ROM drive.
5. The CD should autorun and the following screen will appear.

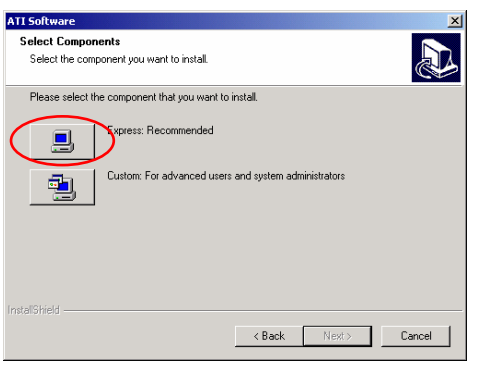
   *Note: if the CD does not autorun click on "**Start**", then "**Run**", then type in "**D:\ATISETUP.EXE**" and click "**OK**".*

   (If D is not your CD-ROM drive, substitute D with the correct drive letter.)
6. Click on "**ATI Easy Install"** to begin the Installation Wizard.
7. When the Welcome box appears. Click on the "**Next**" button to go to the next step.

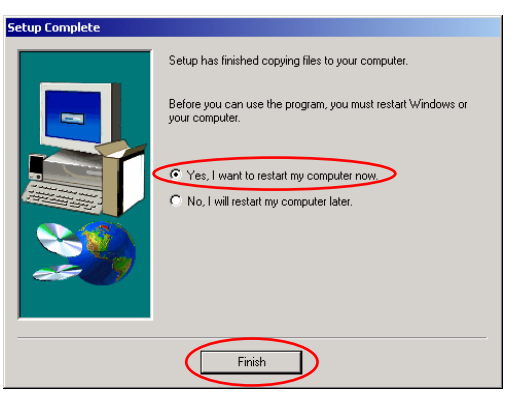

ATI Software
Welcome to the InstallShield Wizard for ATI Software
The InstallShield® Wizard will install ATI Software on your computer. To continue, click Next.
< Back
Next >
Cancel

8. The License Agreement dialog box appears. Click on "**Yes**" button.

9. The Select Components dialog box appears. Click on "**Express**" button.



10. When the Windows SETUP has completed copying the files to the computer. Windows will prompt you to restart Windows with the **"Yes"** option. Then click "**Finish**" button.


Setup Complete
Setup has finished copying files to your computer.
Before you can use the program, you must restart Windows or your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Finish

3.3 Installing on Windows XP

Note: Please uninstall any existing video drivers that could possibly create a conflict before attempting to install this VGA card.

Uninstalling the VGA card Driver for Windows® XP

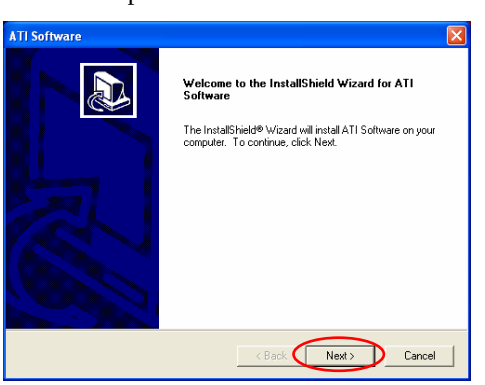
1. Click " **Start** ".
2. Select " **Settings** ".
3. Select " **Control Panel** " and click " **Add or Remove Programs** ".
4. Select the " VGA card Driver " and than click " **Remove** ".
5. Follow the on-screen instructions to uninstall the VGA card driver.

Installation in Windows® XP

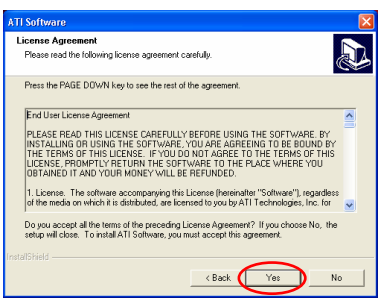
1. Start Windows.
2. Insert the CD installation disc into your CD-ROM drive.
3. The CD should autorun and the following screen will appear.

   Note: if the CD does not autorun click on "Start", then "Run", then type in "D:\ATISETUP.EXE" and click "OK".

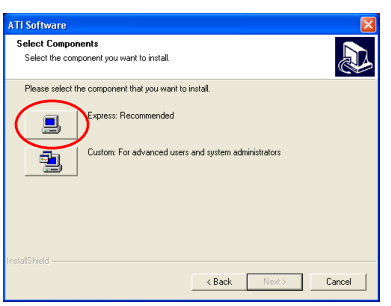
   (If D is not your CD-ROM drive, substitute D with the correct drive letter.)
4. When the Welcome box appears. Click on the "**Next**" button to go to the next step.


ATI Software
Welcome to the InstallShield Wizard for ATI Software
The InstallShield® Wizard will install ATI Software on your computer. To continue, click Next.
< Back
Next >
Cancel

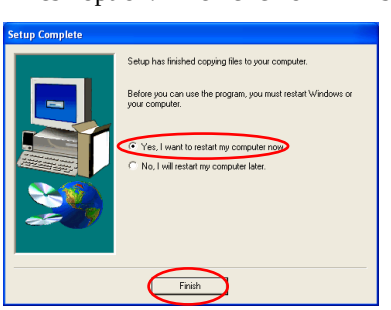
5. The License Agreement dialog box appears. Click on "**Yes**" button.


ATI Software
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
End User License Agreement
PLEASE READ THIS LICENSE CAREFULLY BEFORE USING THE SOFTWARE. BY INSTALLING OR USING THE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, PROMPTLY RETURN THE SOFTWARE TO THE PLACE WHERE YOU OBTAINED IT AND YOUR MONEY WILL BE REFUNDED.
1. License. The software accompanying this License (hereinafter "Software"), regardless of the media on which it is distributed, are licensed to you by ATI Technologies, Inc. for
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install ATI Software, you must accept this agreement.
InstallShield
< Back
Yes
No

6. The Select Components dialog box appears. Click on "**Express**" button.

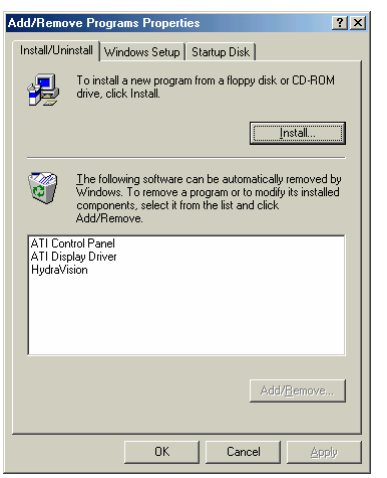


7. When the Windows SETUP has completed copying the files to the computer. Windows will prompt you to restart Windows with the **"Yes"** option. Then click on "**Finish**" button.


Setup Complete
Setup has finished copying files to your computer.
Before you can use the program, you must restart Windows or your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Finish

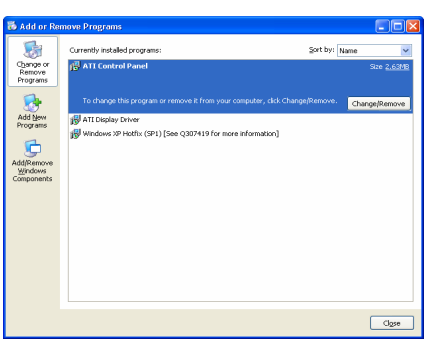
Uninstall Display Driver

■ Windows 98/Me


Add/Remove Programs Properties
Install/Uninstall
Windows Setup
Startup Disk
To install a new program from a floppy disk or CD-ROM drive, click Install.
Install...
The following software can be automatically removed by Windows. To remove a program or to modify its installed components, select it from the list and click Add/Remove.
ATI Control Panel
ATI Display Driver
HydraVision
Add/Remove...
OK
Cancel
Apply

1. Click **"Start"**, and then point to **Settings**.
2. Click **Control Panel**.
3. Double-click the **Add/Remove Programs** icon.
4. Click the **Install/Uninstall** tab.
5. Click **ATI Display Driver** from the list.
6. Click **Add/Remove** button.
7. The system will prompt you to restart your computer. Click **Yes** to restart.

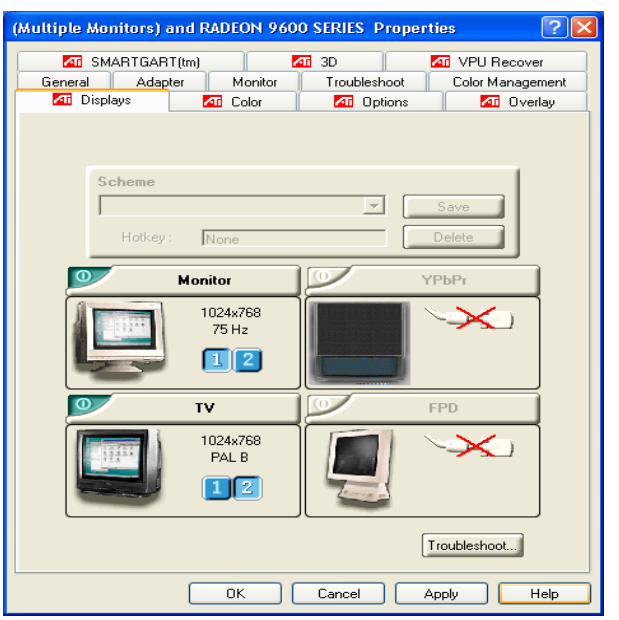
■ Windows XP/2000



1. Click **"Start"**, and then point to **Settings**.
2. Click **Control Panel**.
3. Double-click the **Add/Remove Programs** icon.
4. Click the **Change/Remove Programs** icon.
5. Click **ATI Display Driver** from the list.
6. Click **Change/Remove** button.
7. The system will prompt you to restart your computer. Click **Yes** to restart.

3.4 To enable/disable a display device

To make sure if your installation is successful, you can Right-click the Windows desktop and click **Properties**. Click the **Settings** tab and then click **Advanced**. The **RADEON 9600 SERIES Properties** dialog box appears.



1. Click the enable/disable button for the display device you want to enable/disable. A desktop image appears on the corresponding display device icon when the button is in the "Enable" position.
2. Click either "**OK**" or "**Apply**" to save the changes you have made.

Primary button

Clone button

Extend Right or Extend Down button
(*for Windows XP*)

Extend Right or Extend Down button
(*for Windows 2000*)

3.4.1 To select the Primary Display when using multiple displays

1. Click the desired Primary button:
   This sets the associated display as the primary, once you have applied your changes.
2. Click either **"OK"** or **"Apply"** to save the changes you have made.

Notes:

- ***At least one of your displays must be enabled.***
- ***At least one of your displays must be set as the primary display.***
- ***In most multiple-display environments, it is also possible to change the current primary display to Clone mode by clicking the Clone button. Assignment of the primary display will then automatically switch to another available display.***

3.4.2 To select Clone mode when using multiple displays

1. Click the desired Clone button:
   This sets the associated display to show a copy of the primary display desktop image.

   A button state change indicates when the Clone mode is selected, but no action is taken until you apply your changes. Clicking the Clone button of the primary display will cause the assignment of the primary display to automatically switch to another available display, thus toggling the displays.

2. Click either **"OK"** or **"Apply"** to save the changes you have made.

Notes:

- ***Video Overlay allows for the viewing of full-motion video on your computer. However, there is only one video overlay in hardware. For display arrangements consisting of a primary and a clone, the video overlay is only available on the primary display. (For extended desktop arrangements, the video overlay will be visible across all displays.)***
- ***For systems with flat panel and TV support, you cannot set both the flat panel display and TV to the same display mode.***

3.4.3 To create an Extended Desktop with multiple displays

1. Click on the Displays tab.

   Your display device must be enabled before you can change its display mode.

   In any multiple-display environment, there must be a primary display, indicated by the state of the Primary button for that display:

2. Click either the **Extend Right** or **Extend Down** button:
   This sets the direction in which the Extended Desktop will span in relation to the primary display desktop. A button state change indicates when Extend Right or Extend Down is selected, but no action is taken until you apply your changes.

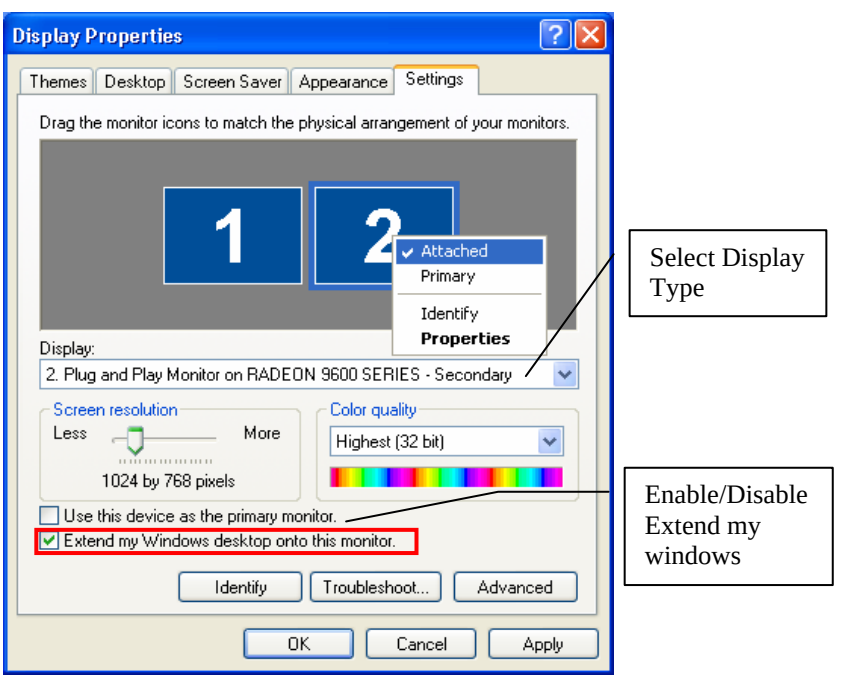
   For obvious reasons, you can not select Extend Right or Extend Down buttons for a display that is already set as primary. First, set a display to primary by selecting its Primary button, then make any other selections (Clone mode or Extended Desktop) before applying your changes.

3. Click either **"OK"** or **"Apply"** to save the changes you have made.

   The Screen Area slider on the main Settings tab will now be updated with the new screen sizes (double-width or double-height). To change the size of your Extended Desktop, drag the slider to the desired setting. The higher the number of pixels, the more information you can display on your screen.

Extended Desktop Mode

In this mode, the desktop area is spread across both displays. This mode can be set for multiple categories of displays, although display limitations may override the capabilities of the **RADEON 9600 SERIES**. For example, if the second display is an TV monitor, due to the limitations of the monitor itself, the resolution cannot be set above 800x600 and the refresh rate cannot be set above 60 Hz. However, the PC monitor in such a configuration may have its refresh rate and resolution set much higher.

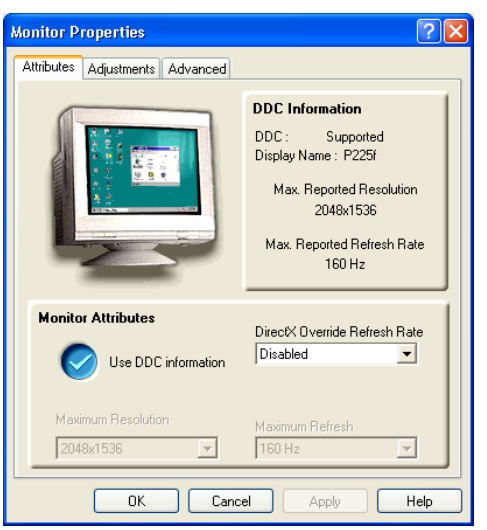


To configure settings for Display 1 or Display 2, on your Settings panel, click the right mouse button on either of the monitor icons to display a list of Settings options. Click the left mouse button on one of the options you want to configure:

3.4.4 To set your monitor attributes

In the Refresh Frequency box, select the optimal refresh frequency for your monitor.

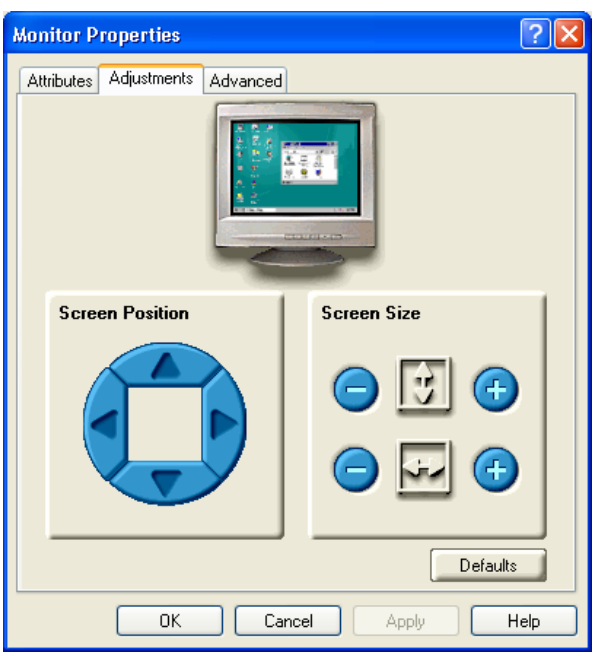
1. Click the Displays tab.
2. Click the Monitor button.
   Your monitor must be enabled before you can change its display properties.
3. Click the "**Attributes"** tab.



4. If your monitor is equipped with a Display Data Channel, click the Use DDC Information button. Otherwise, go to the next step.
5. In the Maximum Resolution and Maximum Refresh boxes, select the desired settings for maximum resolution and maximum refresh rate.
6. Click **OK**.
7. Click **Close** to exit Display Properties.
8. Click **"Yes"** to restart Windows.

3.4.5 To adjust your monitor screen size

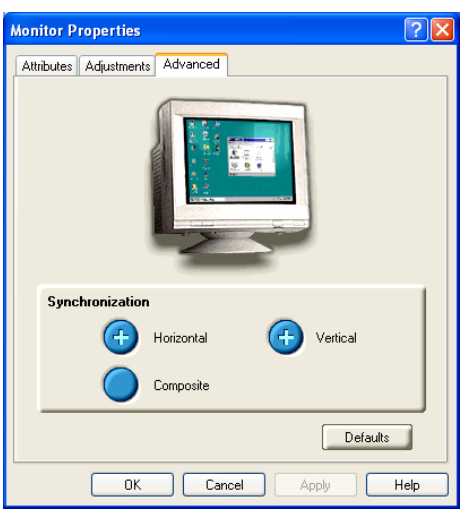
1. Click the "**Monitor**" button.
   Your monitor must be enabled before you can change its display properties.
2. Click the "**Adjustments**" tab.



3. Click the (+) and (-) buttons in the Vertical/Horizontal Screen area to change your screen size.
4. The (+) and (-) buttons under Vertical Screen increase/decrease the vertical size of your monitor display.
5. The (+) and (-) buttons under Horizontal Screen increase/decrease the horizontal size of your monitor display.
6. Click "**OK"** or "**Apply"** to save the changes you have made.

3.4.6 To adjust your monitor synchronization

1. Click the **Settings** tab to view the **Display Properties**.
2. Click the **"Advanced"** button.
3. Click the **"Displays"** tab.
   If you are running an extended desktop, you must first select the video adapter whose display properties you want to change.
4. Click the "**Monitor**" button.
   Your monitor must be enabled before you can change its display properties.

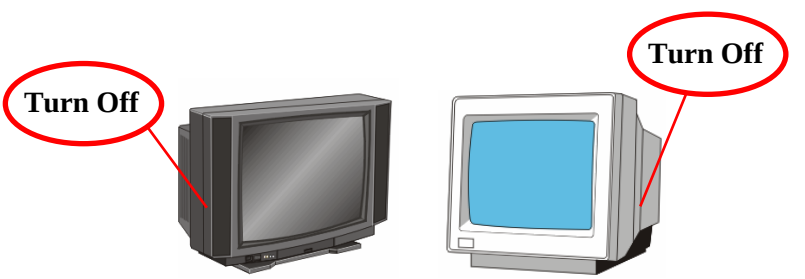


5. Click the "**Advanced**" tab.
6. In the Synchronization box, click the Horizontal or Vertical buttons to adjust synchronization.
7. Click either "**OK"** or "**Apply"** to save the changes you have made.

3.5 Using the CRT/TV Features (TV-out function optional)

3.5.1 How to use TV-out cables correctly?

1. Power off your PC and TV first.
2. Connect the signal cable from your VGA card to TV.
3. Power on your TV first then PC.



Caution!
Before you turn on your system, you have to be sure the VGA card is setup already and all the cables are connected.

DO NOT connect / disconnect TV-out cable when your TV or PC is Power On.

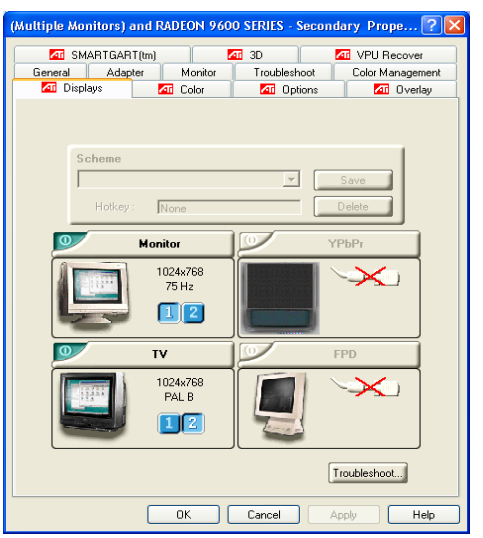
3.5.2 How to change TV setting ?

Your graphics accelerator is configured for TV display. Using this feature, you can connect a TV to your computer's video output to view the desktop.

If you are not using a TV for your computer's display, it is recommended that you disable TV display for optimal performance (higher refresh rates). You can re-enable TV display at a later date.

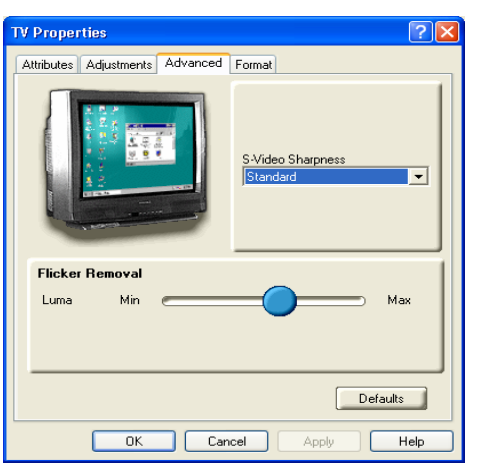
- For **NTSC**,800x600x60Hz and 1024x768x60Hz(hidden)
- For **PAL**, ,800x600x50Hz and 1024x768x50Hz(hidden)
- Low resolution modes but they are hidden and used by application programs and cannot be select end user.

1. Click the **Settings** tab to view the **Display Properties**.
2. Click the **Advanced** button.
3. Click the **Displays** tab.
   If you are running an extended desktop, you must first select the video adapter whose display properties you want to change.
4. Click the button for the **TV** device.
   Your TV must be enabled before you can change its display properties.



NOTE: TV Mode (only)
NTSC: 800X600 60Hz
1024X768 60Hz
PAL: 800X600 60Hz
1024X768 50Hz

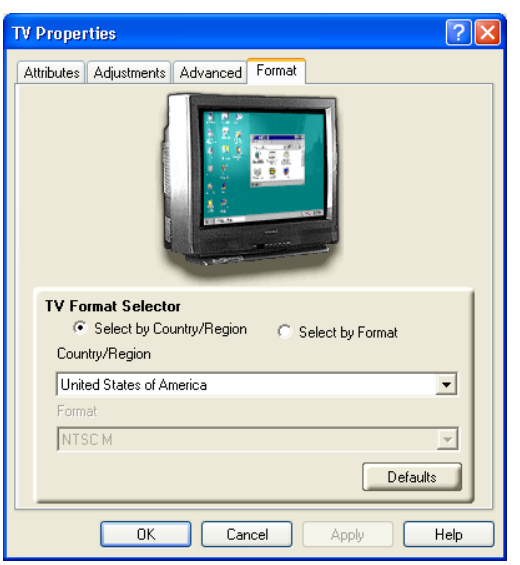
5. Click the **Advanced** tab.



6. In the **S-Video Sharpness** box, select a value from the list.
7. Click **OK** or **Apply** to save the changes you have made.

3.5.3 To select your TV format by country

1. Click the **Settings** tab to view the **Display Properties**.
2. Click the **Advanced** button.
3. Click the **Displays** tab.
   If you are running an extended desktop, you must first select the video adapter whose display properties you want to change.
4. Click the **TV** button.
   Your TV must be enabled before you can change its display properties.
5. Click the **Format** tab.

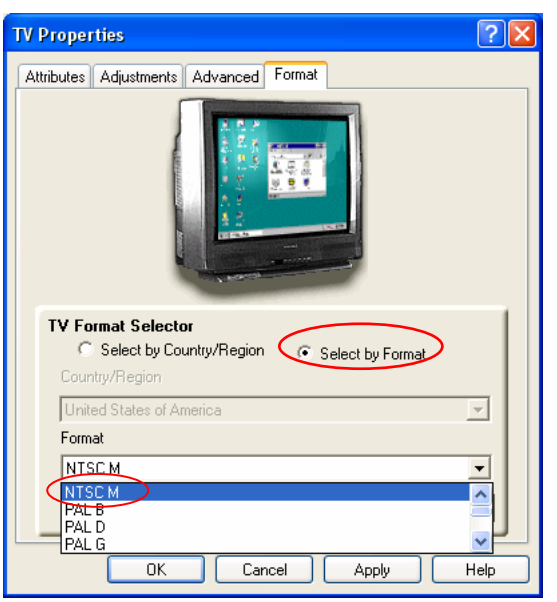


6. In the **Country** box, select a country from the list.
7. Click **OK** or **Apply** to save the changes you have made.

Note: In general, there is only one broadcast format supported by a given country.

3.5.4 To select your TV system to NTSC

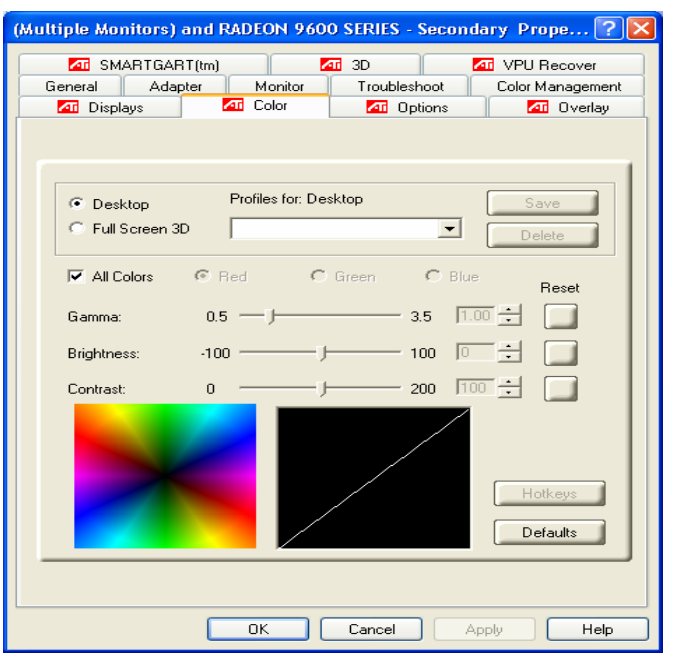
1. Click the **Settings** tab to view the **Display Properties**.
2. Click the **Advanced** button.
3. Click the **Displays** tab.
   If you are running an extended desktop, you must first select the video adapter whose display properties you want to change.
4. Click the **TV** button.
   Your TV must be enabled before you can change its display properties.
5. Click the **Format** tab.



6. In the **Format** box, select a Format from the list.
7. **For NTSC TV-system, please select "Select by Format", the change the Format to NTSC-M.**
8. Click **OK** or **Apply** to save the changes you have made.

3.6 Color Properties

The ATI Color tab is used to adjust the color settings. You can change the red, green and blue display colors. Desktop brightness and Gamma and Contrast can also be changed.



ATI Color Tab

Colors checkbox: Adjust the RGB individually or adjust all three colors at the same time.

Gamma/Brightness/Contrast: adjust the color by moving the slider with your mouse, to increase or decrease the color gamma/brightness/contrast of Direct 3D and OpenGL games played in fullscreen mode.

Defaults button: This allows you to reset the desktop gamma and brightness and contrast settings to the default values.

APPENDIX A SPECIFICATIONS

A.1 Hardware Specifications

Generic Classification
Video Display Adapter/Fixed Function Graphics Accelerator

Bus Type
32-bit AGP Bus

Video Connector
CRT Monitor: 15-pin VGA connector
S-video connector
LCD standard 24-pin DVI (Digital Video Interface)

Graphics Accelerator
CGA-X968VTVD / CGA-X968TVD for ATI RADEON™ 9600 XT / 9600 PRO
CGA-X966TVD / CGA-P966TVD for ATI RADEON™ 9600 XT / 9600 PRO
CGA-P968TVD for ATI RADEON™ 9600 PRO / 9600 XT
CGA-E966TVD / CGA-E968TVD for ATI RADEON™ 9600 / 9600 PRO / 9600 XT
CGA-S968TVD for ATI RADEON™ 9600 SE

Display Memory
CGA-X966VTVD / CGA-X968VTVD / CGA-X968TVD use 128MB/256MB DDR DRAM
CGA-X966TVD / CGA-P966TVD use 128MB/256MB DDR DRAM
CGA-P968TVD use 128MB/256MB DDR DRAM
CGA-E966TVD / CGA-E968TVD use 64MB/128MB/256MB DDR DRAM
CGA-S968TVD use 64MB/128MB DDR DRAM

A.2 Programming Information

The **RADEON 9600 SERIES** supports all VGA modes. This is the default configuration of the VGA BIOS.

The extended VGA graphics mode is invoked by the normal INT 10 mode call. All the VGA extended modes can be invoked with the VESA defined select extended mode BIOS call.

A.3 Resolution Table

Resolutions and color depth table.

GRAPHICS RESOLUTION	COLOR DEPTH			FRAME BUFFER SIZE
640x480	8bpp	16bpp	32bpp	128MB
800x600	8bpp	16bpp	32bpp	128MB
1024x768	8bpp	16bpp	32bpp	128MB
1152x864	8bpp	16bpp	32bpp	128MB
1280x1024	8bpp	16bpp	32bpp	128MB
1600x1200	8bpp	16bpp	32bpp	128MB
1920x1080	8bpp	16bpp	32bpp	128MB
1920x1200	8bpp	16bpp	32bpp	128MB
1920x1440	8bpp	16bpp	32bpp	128MB
2048x1536	8bpp	16bpp	32bpp	128MB

8bpp = 256 colors

16bpp = 64K colors = High color

32bpp = 16.7M colors = True color

The following table shows the resolutions for TV-Out:

GRAPHICS RESOLUTION	COLOR DEPTH			FRAME BUFFER SIZE
640x480	8bpp	16bpp	32bpp	128MB
800x600	8bpp	16bpp	32bpp	128MB
1024x768	8bpp	16bpp	32bpp	128MB

LCD resolutions and color depth table.

GRAPHICS RESOLUTION	COLOR DEPTH			FRAME BUFFER SIZE
640x480	8bpp	16bpp	32bpp	128MB
800x600	8bpp	16bpp	32bpp	128MB
1024x768	8bpp	16bpp	32bpp	128MB
1280x1024	8bpp	16bpp	32bpp	128MB

My monitor is not capable of high resolution or refresh rate.

It depends on the display characteristics of your monitor. Consult your monitor documentation for the proper configuration.

Deutsch

So installieren Sie die erweiterten ATI Treiber für Windows 98 oder Windows Me

WICHTIG!

*Wenn Sie Ihr System starten nachdem Sie der Installationsanleitung Ihrer ATI-Karte gefolgt sind, Windows 98 und Windows Me erkennt die neue Hardware und wird möglicher Weise versuchen, einen Treiber aus der Systemregistrierung zu installieren. Wenn Sie daraufhin aufgefordert werden sollten, Ihr System erneut zu starten, wählen Sie bitte „**Nein**“. Danach können Sie weiter dem unten beschriebenen Installationsablauf folgen.*

Die Auswahl “Nein” für den Abbruch der anfänglichen Aufforderung für den Neustart ist ein notwendiger Schritt, da Windows einen älteren Treiber installieren könnte, der möglicherweise mit Ihrer neuen Grafikkarte nicht kompatibel ist. Sie sollten immer den Treiber verwenden, der sich auf der ATI-Installations-CD-ROM befindet oder ein entsprechendes Treiber-Update.

*Alle ATI-Installations-CD-ROMs beinhalten einen kompletten Satz an Bildschirmtreibern und Multimedia-Software. Verwenden Sie **die Selbe** ATI-Installations-CD-ROM um den erweiterten ATI-Bildschirmtreiber zu installieren.*

1. Legen Sie die ATI INSTALLATIONS-CD-ROM in Ihr CD-ROM-Laufwerk.
2. Klicken Sie auf Start.
3. Wählen Sie Ausführen.
4. Geben Sie die folgende Zeile ein:
   D:\ATISETUP.EXE
   (Falls Ihr CD-ROM-Laufwerk nicht denn Buchstaben „D“ trägt, ersetzen Sie „D“ durch den richtigen Laufwerksbuchstaben.)
5. Folgen Sie den Instruktionen des Installationsassistenten um die Installation zu beenden.

Für die korrekten Einstellungen der Auflösung und der Bildwiederholungsfrequenzen müssen Sie nun in die Bildschirmeinstellung aufrufen. Möglicherweise möchten Sie auch die Farbeinstellung von 256 Farben (Voreinstellung) auf einen höheren Wert einstellen. Hierfür wechseln Sie zur Farbeinstellung. Um die ATI-Onlinehilfe aufzurufen doppelklicken Sie einfach das ATI-Symbol auf der Task-Leiste. Um weitere Informationen zum Gebrauch des ATI PLAYERs zu erhalten, öffnen Sie die ATI PLAYER Online-Hilfe durch Klicken auf das [?] in der oberene, rechten Ecke des PLAYER-Fensters.

So installieren Sie den erweiterten ATI-Treiber für Windows 2000

1. Starten Sie Windows.
2. Sobald Windows 2000 Ihre Grafikkarte gefunden hat, erscheint eine Dialogbox mit dem Hinweis **Neue Hardware gefunden**.
3. Clicken Sie auf Abbrechen um die Windows Arbeitsoberfläche Aufzurufen.
4. Legen Sie die CD-Installations-CD-ROM in Ihr CD-ROM-Laufwerk ein.
5. Klicken Sie auf Start.
6. Wählen Sie “Ausführen”.
7. Geben Sie die folgende Befehlzeile ein:
   D:\ATISETUP.EXE
   (Falls **D** nicht ihr CD-ROM Laufwerk ist, ersetzten Sie **D** durch den korrekten Laufwerk-Buchstaben.)
8. Klicken Sie auf **“ATI Einfache Installation”** um den Installationsassistenten aufzurufen.
9. Daraufhin erscheint die Dialogbox der Lizenzvereinbarung. Wählen Sie den “**Ja**” Schalter.
10. Die Dialogbox “Digitale Signatur nicht gefunden” erscheint. Klicken Sie auf den “**Ja**” Button.
11. Folgen Sie den Anweisungen auf Ihrem Bildschirm um die Installation abzuschließen.

12. Sobald das Setup die Installation aller notwendigen Dateien auf ihrem Computer abgeschlossen hat, wird es Sie auffordern, Ihren Computer erneut zu starten. Klicken Sie auf **Ja** um Ihren Computer neu zu starten und die Installation abzuschließen.

So installieren Sie den erweiterten ATI-Treiber für Windows XP

1. Starten Sie Windows.
2. Legen Sie die CD-Installations-CD-ROM in Ihr CD-ROM-Laufwerk ein.
3. Klicken Sie auf Start.
4. Wählen Sie "Ausführen".
5. Geben Sie die folgende Befehlzeile ein:
   D:\ATISETUP.EXE

   (Falls **D** nicht ihr CD-ROM Laufwerk ist, ersetzten Sie **D** durch den korrekten Laufwerk-Buchstaben.)
6. Klicken Sie auf **"ATI Einfache Installation"** um den Installationsassistenten aufzurufen.
7. Daraufhin erscheint die Dialogbox der Lizenzvereinbarung. Wählen Sie den "**Ja**" Schalter.
8. Folgen Sie den Anweisungen auf Ihrem Bildschirm um die Installation abzuschließen.
9. Sobald das Setup die Installation aller notwendigen Dateien auf ihrem Computer abgeschlossen hat, wird es Sie auffordern, Ihren Computer erneut zu starten. Klicken Sie auf **Ja** um Ihren Computer neu zu starten und die Installation abzuschließen.

So schließen Sie einen Fernseher oder einen Videorekorder an Ihren Computer an

1. Vergewissern Sie sich, dass Ihr TV oder VCR einen S-Video oder einen Video-Kombinationsstecker besitzt.
2. Suchen Sie an der Rückseite Ihres Computers die entsprechende Video-Out Verbindung.
3. Falls Sie ein S-video oder ein Kombinationskabel verwenden, stecken Sie das eine Ende des Kabels in die Video-Out-Buchse ihres Computers und das andere Ende in Ihren Fernseher oder Videorecorder.

So verwenden Sie einen Fernsehbildschirm (Die TV-Out Funktion ist optional)

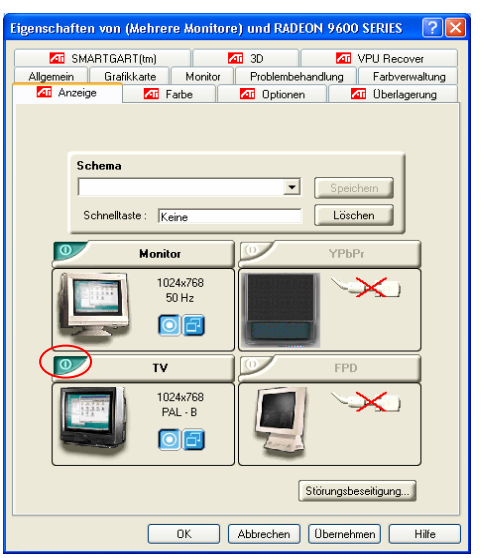
Ihr Grafikbeschleuniger ist auf Fernsehbildschirme ausgelegt. Bei der Verwendung dieser Funktion können Sie einen Fernseher an die Video-Buchse Ihres Computers anschließen um Ihren Desktop zu betrachten.
Falls Sie keinen Fernseher für die Betrachtung Ihres Computerbildes verwenden empfehlen wir Ihnen, die TV-Funktion zwecks einer optimalen Performance zu deaktivieren). Zu einem späteren Zeitpunkt können Sie die TV-Funktion wieder aktivieren.

- Für **NTSC**, 800x600x60Hz und 1024x768x60Hz (verborgen)
- Für **PAL**, 800x600x50Hz und 1024x768x50Hz (verborgen)
- Die geringen Auflösungsmodi sind verborgen, werden von den Anwendungsprogrammen verwendet und können nicht vom Benutzer eingestellt werden..

1. Klicken Sie hier um die **Bildschirmeigenschaften** auf der **Einstellungskarte** einzusehen.
2. Klicken Sie auf den **Erweitert** Button.

3. Klicken Sie auf die Registerkarte **ATI-Anzeige**.
Falls Sie einen weiteren Desktop verwenden, müssen Sie zuerst den Video-Adapter wählen, dessen Bildschirmeigenschaften Sie ändern möchten.

4. Wählen Sie den **TV** Button.
Ihr TV muss zuerst aktiviert sein, bevor Sie dessen Bildschirmeigenschaft verändern möchten.
5. Klicken Sie auf die Karte **Erweitert**.
6. Wählen Sie einen Wert in der Drop-Down-Box für die Bildschärfe.
7. Klicken Sie auf **OK** oder **Übernehmen**, um die Änderungen, die Sie vorgenommen haben, zu speichern.



1. Klicken Sie auf den einschalten/ausschalten Button für das entsprechende Bild-Gerät das Sie verwenden möchten. Sobald der Button eingeschaltet ist, erscheint auf der entsprechenden Bildschirmabbildung ein Desktop.
2. Wählen Sie entweder "**OK**" oder "**Übernehmen**", um die Änderungen die Sie vorgenommen haben zu speichern.

So ändern Sie die Bildschirmeinstellungen eines Bildschirm-Gerätes

Klicken Sie auf den Primary/Secondary Button für das Bildschirm-Gerät dessen Bildschirm-Einstellung Sie verändern möchten. Die Button-Beschriftung wechselt zwischen "Primary" und "Secondary" um den aktuell gewählten Bildschirm anzuzeigen. Ihr Bildschirmgerät muss aktiviert sein, bevor Sie dessen Einstellungen ändern können. Klicken Sie hier für mehr Informationen.

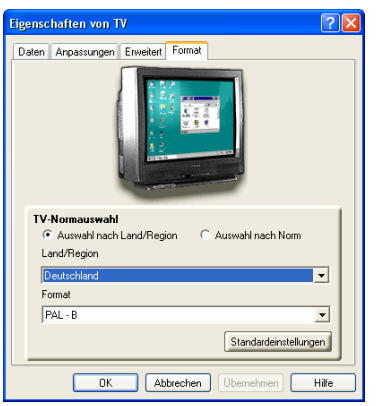
Anmerkungen:

- ***Mindestens eins Ihrer Bildschirmgeräte muss eingeschaltet sein.***
- ***Mindestens eins der Bildschirmgeräte muss in den Hauptmodus gesetzt sein.***

So stellen Sie das richtige TV-Rundfunkformat Ihres Landes ein

1. Klicken Sie hier um die Bildschirm-Einstellungen auf der Karte zu sehen.
2. Klicken Sie auf den "**Erweitert**" Button.
3. Klicken Sie auf die **Bildschirm**-Karte.
   Falls Sie einen weiteren Desktop verwenden, müssen Sie zuerst den Video-Adapter auswählen dessen Bildschirmeinstellungen Sie ändern wollen.
4. Klicken Sie auf den **TV**-Button.
   Ihr TV muss ausgewählt sein, bevor Sie die dessen Bildschirmeinstellungen ändern können.
5. Klicken Sie auf die **Format**-Karte.
6. Selektieren Sie in der **Länderbox** ein Land aus der Liste.
7. Klicken Sie auf OK oder Ausführen, um Ihre Einstellungen zu speichern.

Wichtig: Jedes Land unterstützt nur ein einzelnes Rundfunkformat.



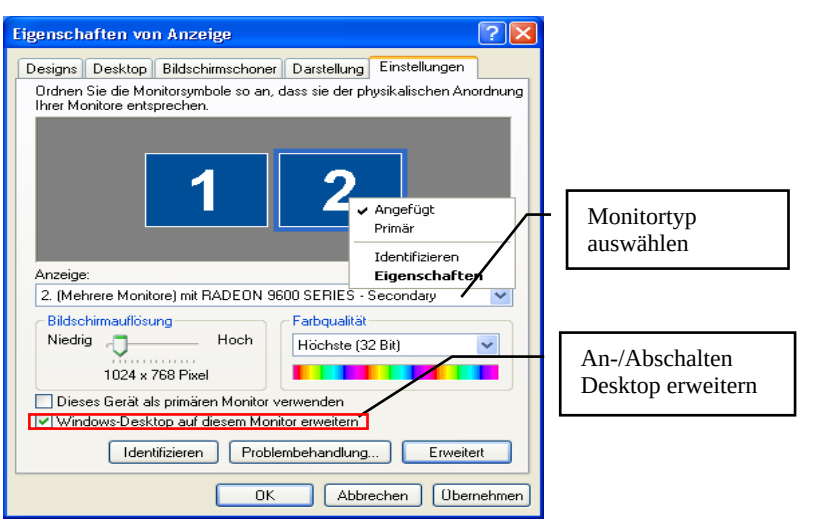
So wählen Sie Ihr TV-Rundfunkformat direkt aus

1. Klicken Sie hier um die **Bildschirmeinstellungen** auf der **Registerkarte** zu sehen.
2. Klicken Sie auf den **Erweitert** Button.
3. Klicken Sie auf die **Bildschirm** Registerkarte.
   Falls Sie einen weiteren Desktop verwenden, müssen Sie zuerst einen Videoadapter auswählen, dessen Einstellungen Sie ändern wollen.
4. Klicken Sie auf den **TV** Button.
   Bevor Sie die Bildschirmeinstellungen ändern müssen Sie Ihr TV einschalten.
5. Klicken Sie auf die **Format** Registerkarte.
6. Wählen Sie ein Rundfunkformat in dem **Format** Kasten von der Liste aus.
7. Klicken Sie auf OK oder Übernehmen um die Einstellungen zu speichern und schließen Sie das Menü um auf die Bildschirm-Seite zu gelangen.
8. Wählen Sie Schließen.
9. Klicken Sie auf **Ja**.

Erweiterter Desktop

So schalten Sie den Mehrfach-Monitor Modus ab

Dazu muss lediglich in den erweiterten Einstellungen der Modus auf „Einfach“ zurück gestellt werden. Nach dieser Aktion ist ein System Neustart notwendig zu dem der User aufgefordert wird.
In diesem Modus erstreckt sich der Desktop über beide Bildschirme. Es ist kein Problem unterschiedliche Arten von Bildschirmen zu verwenden, obschon die technischen Vorraussetzungen der eingesetzten Bildschirme die Leistungsfähigkeit der **RADEON 9600 SERIES** Grafikkarte einschränken können. Z.B. ist es möglich, den ersten Monitor in einer Auflösung von 1024 x 768 px mit einer Bildwiederholungsfrequenz von 80khz zu betreiben und den zweiten Bildschirm in einer Auflösung von 800 x 600 px mit einer Bildwiederholungsfrequenz von 70khz.



Um Bildschirm 1 bzw. Bildschirm 2 zu konfigurieren, klicken Sie mit der rechten Maustaste auf das jeweilige Monitor Symbol um die Auswahlmöglichkeiten angezeigt zu bekommen. Klicken Sie einfach mit der linken Maustaste auf die Einstellungen die Sie ändern möchten.

Français

Windows® "Nouveau matériel détecté"

Si Windows® 98 ou Millennium Edition (ME) est installé sur votre système, vous devrez peut-être redémarrer l'ordinateur pour que la détection du nouveau matériel s'effectue. Suivez les instructions pas à pas ci-dessous pour que Windows® identifie correctement votre nouveau matériel.

Pour identifier votre nouveau matériel sous Windows® 98 ou ME

1. Windows® 98/ME affiche rapidement la boîte de dialogue "Nouveau matériel détecté" avant le lancement de l' "Assistant Mise à jour de pilote de périphérique".
2. Cliquez sur **Suivant**.
3. Cliquez sur **Terminer**.
4. Insérez votre CD-ROM Windows® 98/ME dans le lecteur de CD-ROM.
5. Cliquez sur **O**K.
6. Tapez l'instruction suivante :
   D:\WIN98 ou D:\WINME

   (Si **D** n'est pas la lettre de votre lecteur de CD-ROM, remplacez **D** par la lettre du lecteur.)
7. Cliquez sur **OK**.
8. Cliquez sur **Oui** pour redémarrer votre ordinateur.

Pour identifier un nouveau matériel en utilisant l' "Assistant Ajout de nouveau matériel"

1. Windows® 98/ME lance l' "Assistant Ajout de nouveau matériel" qui vous invite à rechercher la carte graphique PCI standard (VGA).
2. Cliquez sur **Suivant** pour continuer.
3. Sélectionnez **Rechercher le meilleur pilote pour votre périphériqu**e.
4. Cliquez sur **Suivant** pour continuer.
5. Cliquez sur **Suivant** pour démarrer la recherche du pilote.
6. Cliquez sur **Suivant** pour installer la carte graphique PCI standard (VGA).
7. Cliquez sur **Terminer**.
8. Cliquez sur **Oui** pour redémarrer votre ordinateur.

Installation des pilotes étendus pour Windows® 98 ou Windows® Millenium Edition

Avec Windows® 98 ou ME sur votre ordinateur, vous devez installer les pilotes étendus d'ATI pour profiter des performances supérieures, des hautes résolutions et des fonctions spéciales de votre carte ATI Série.

Pour être sûr de bien installer les pilotes les plus récents, installez les pilotes étendus ATI stockés sur le CD-ROM qui accompagne votre carte accélératrice graphique ATI Séries.

Pour installer les pilotes étendus d'ATI pour Windows® 98 ou Windows® Millennium Edition

1. Insérez le CD-ROM INSTALLATIOND'ATIdansvotre lecteur de CD-ROM.
   Si Windows ® exécute automatiquement le CD-ROM, passez à l'étape 6.
2. Cliquez sur **Démarrer**.
3. Choisissez **Exécuter**.
4. Tapez l'instruction suivante :
   D:\ATISETUP.EXE
   (Si **D** n'est pas la lettre de votre lecteur de CD-ROM, remplacez **D** par la lettre du lecteur.)
5. Cliquez sur **OK**.
6. Cliquez sur **Suivant**.
7. Cliquez sur **Oui**.
8. Suivez les instructions apparaissant à l'écran de l'Assistant pour compléter l'installation.
   *Il est recommandé de choisir l'option d'installation **Expres**s. Si votrecarte ATI Series comprend un composant multimédia, cette option installera automatiquement le logiciel de ce composant, avec les pilotes étendus d'ATI.*

Installation des pilotes étendus pour Windows® 2000

Si vous utilisez Windows® 2000, vous devez installer les pilotes étendus d'ATI pour profiter des performances supérieures, des hautes résolutions et des fonctions spéciales de votre carte ATI Série.

Pour avoir les pilotes les plus récents, installez les pilotes étendus d'ATI qui se trouvent sur le CD-ROM livré avec votre ATI série.

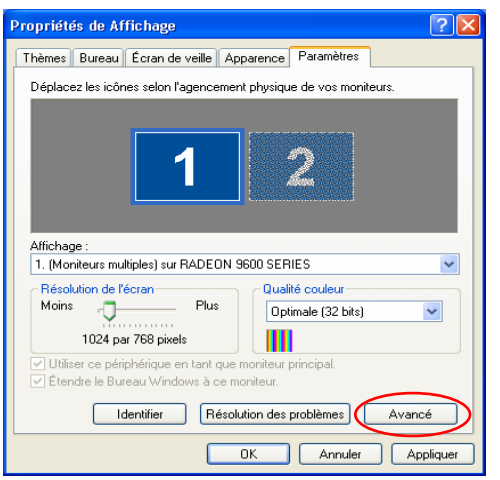
Pour installer les pilotes étendus d'ATI pour Windows® 2000

1. Insérez le CD-ROM INSTALLATIOND'ATIdansvotre lecteur de CD-ROM.
   Si Windows® exécute le CD-ROM automatiquement, passez à l'étape 6.
2. Cliquez sur **Démarrer**.
3. Choisissez **Exécuter**.
4. Tapez l'instruction suivante :
   D:\ATISETUP.EXE
   (Si **D** n'est pas la lettre de votre lecteur de CD-ROM, remplacez **D** par la lettre du lecteur.)
5. Cliquez sur **OK**.
6. Suivez les instructions apparaissant à l'écran de l'Assistant pour compléter l'installation.

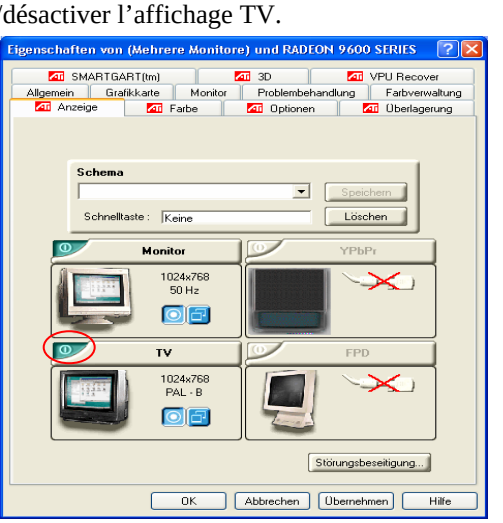
Utilisation et réglage de TV Out

Pour activer ou désactiver l'affichage du téléviseur

1. Démarrez Windows®.
2. Cliquez sur **Démarrer**.
3. Pointez sur **Paramètres**, puis cliquez sur **Panneau de configuration**.
4. Cliquez deux fois sur **Affichage.**
5. Cliquez sur l'onglet **Affichages d'ATI.**
   *Les utilisateurs de Windows® 98 cliquent sur le bouton **Avancé…** puis sur l'onglet **Affichages d'ATI**.*



6. Cliquez sur le bouton vert **activer/désactiver** à côté du sigle "TV" pour activer/désactiver l'affichage TV.



7. Cliquez sur **OK** ou sur **Appliquer** pour enregistrer les modifications apportées.

Support d'affichages multiples avec Windows® 98 ou Windows® Millennium Edition

Windows® 98 et Millennium Edition prennent en charge l'utilisation simultanée de plusieurs périphériques d'affichage : il suffit d'installer une carte graphique PCI séparée pour chaque affichage additionnel que vous prévoyez d'utiliser. Avec des affichages multiples, vous pouvez agrandir votre bureau, exécuter des programmes différents sur des affichages séparés; vous pouvez même jouer avec les nouveaux jeux permettant des vues multiples. Chaque affichage peut avoir une résolution et une profondeur de couleurs spécifiques!

Notez bien que sous Windows® 98 et Millennium Edition, une carte graphique est automatiquement désignée par le système comme étant la carte graphique **primaire**. Chaque carte graphique additionnelle est désignée par le système comme étant une carte graphique **secondair**e. Certaines fonctions 3D et multimédias sont seulement disponibles sur la carte graphique **primaire**. La carte graphique **primaire** est celle qui affiche les informations POST (Power on Self Test) au cours du démarrage. Si vous installez une carte graphique PCI, vous devez tenir compte des éléments suivants :

- Si vous installez à la fois une carte graphique PCI et une carte graphique AGP sur le même système, il se peut que le BIOS de votre carte-mère reconnaisse la carte AGP ATI Série comme une carte **secondair**e. Certains fabricants offrent un BIOS évolué qui permet à une carte AGP d'être désignée comme carte **primair**e. Pour avoir plus de détails, contactez votre revendeur informatique.

Español

Windows® "Se ha encontrado hardware nuevo"

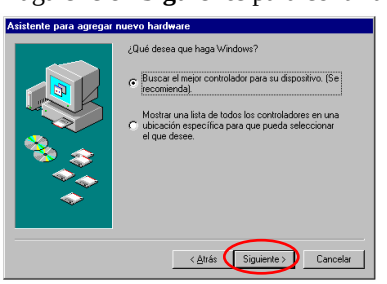
Si utiliza Windows® 98 o Millennium Edition (ME), es posible que se detecte el hardware nuevo al volver a arrancar la computadora. Realice el siguiente procedimiento para que Windows® pueda identificar correctamente el hardware nuevo.

Para identificar hardware nuevo en Windows® 98 o ME

1. Windows® 98/ME muestra brevemente el cuadro de diálogo "Se ha encontrado hardware nuevo" antes de arrancar el"Asistente para la actualización del controlador del dispositivo".
   Si no se abre el Asistente, proceda directamente a la ***Instalación de los controladores mejorados para Windows® 98 o Windows® Millennium Edition*** *en la página 5.*
2. Haga clic en **Siguiente**.
3. Haga clic en **Finalizar**.
4. Introduzca el CD-ROM Windows® 98/ME en la unidad de CD-ROM.
5. Haga clic en **Aceptar**.
6. Digite lo siguiente:
   D:\WIN98 o D:\WINME
   (Si ***D*** *no corresponde a la unidad CD-*ROM de su computadora, sustituya **D** *por la letra de unidad adecuada.)*
7. Haga clic en **Aceptar**.
8. Haga clic en **Sí** para reiniciar el sistema.

Para identificar nuevo hardware usando “Asistente para agregar nuevo hardware”

1. Windows® 98/ME arranca el“Asistente para agregar nuevo hardware” que indica que busque el Adaptador de gráficos PCI estándar (VGA).
2. Haga clic en **Siguiente** para continuar.
3. Seleccione **Buscar el mejor controlador para su dispositivo**.
4. Haga clic en **Siguiente** para continuar.


Asistente para agregar nuevo hardware
¿Qué desea que haga Windows?
Buscar el mejor controlador para su dispositivo. (Se recomienda)
Mostrar una lista de todos los controladores en una ubicación específica para que pueda seleccionar el que desee.
< Atrás
Siguiente >
Cancelar

5. Haga clic en **Siguiente** para iniciar la búsqueda del controlador.
6. Haga clic en **Siguiente** para instalar el Adaptador de gráficos PCI estándar (VGA).
7. Haga clic en **Finalizar**.
8. Haga clic en **Sí** para reiniciar el sistema.

Instalación de los controladores mejorados para Windows® 98 o Windows® Millennium

1. Introduzca el CD-ROM INSTALACIÓN DE ATI en la unidad de CD-ROM.
   Si Windows® ejecuta automáticamente el CD-ROM, vaya al paso 6.
2. Haga clic **en Inicio**.
3. Seleccione **Ejecutar**.
4. Digite lo siguiente:
   D:\ATISETUP.EXE
   *(Si **D** no corresponde a la unidad CD-ROM de su computadora, sustituya **D** por la letra correcta de la unidad.)*
5. Haga clic en **Aceptar**.
6. Haga clic en **Instalación simple ATI** para iniciar el Asistente de Instalación.
7. Haga clic en **Siguiente**.
8. Haga clic en **Sí**.
9. Siga las instrucciones en pantalla del Asistente para llevar a cabo la instalación.
   *Se recomienda la opción de instalación **Express**. Si la tarjeta **RADEON 9800** incluye un componente multimedia, su software se instalará de manera automática, junto con los controladores mejorados ATI, al seleccionar esta opción.*

Instalación de los controladores mejorados para Windows® 2000 o Windows® XP

1. Introduzca el CD-ROM INSTALACIÓN DE ATI en la unidad de CD-ROM.
   Si Windows® ejecuta automáticamente el CD-ROM, vaya al paso 6.
2. Haga clic **en Inicio**.
3. Seleccione **Ejecutar**.
4. Digite lo siguiente:
   D:\ATISETUP.EXE
   (*Si **D** no corresponde a la unidad CD-ROM de su computadora, sustituya **D** por la letra correcta de la unidad.*)
5. Haga clic en **Aceptar**.
6. Haga clic en **Instalación simple ATI** para iniciar el Asistente de Instalación.
7. Siga las instrucciones en pantalla del Asistente para llevar a cabo la instalación.

Conexión del televisor a la tarjeta

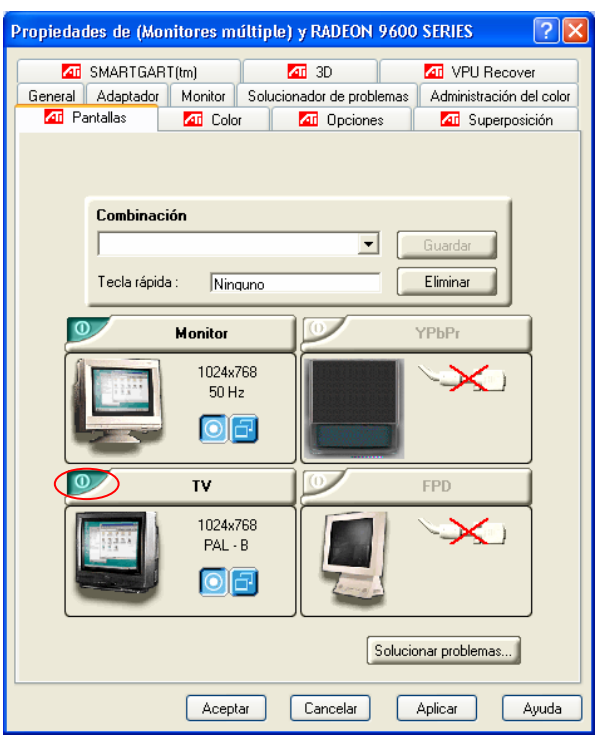
La salida de vídeo compuesto o S-Video de la tarjeta de la **RADEON 9600 SERIES** le permite conectar un televisor como pantalla de la computadors. Puede utilizar la tarjeta para ver la salida de la computadora en su televisor. Dependiendo de su televisor, podrá seleccionar entre los formatos NTSC o PAL. Puede mostrar imágenes en el TV y en el monitor VGA de manera simultánea.

Uso y ajuste de TV Out

Para activar y desactivar la imagen de televisión

1. Arranque Windows®.
2. Haga clic **Inicio**.
3. Apunte a **Configuración**, luego haga clic en **Panel de control**.
4. Haga doble clic en **Pantalla.**
5. Haga clic en la ficha **Pantallas ATI.**
   Los usuarios de Windows® 98 deben hacer clic en el botón **Opciones avanzadas…** *y luego en la ficha* ***Pantallas ATI***.

6. Haga clic en el botón verde **activar/desactivar** junto a la palabra "TV" para activar o desactivar la imagen del televisor.



7. Haga clic en **Aceptar** o **Aplicar** para guardar los cambios que haya introducido.

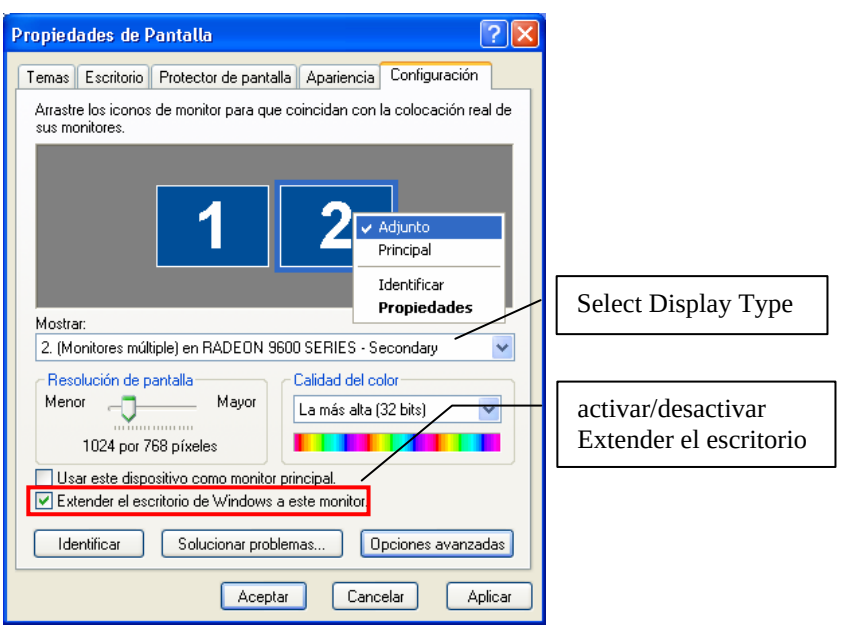
Para seleccionar directamente el formato de emisión de TV

1. Haga clic aquí para ver Propiedades de pantalla en la ficha **Configuración**.
2. Haga clic en el botón **Avanzada**.
3. Haga clic en la ficha **Pantallas**.
   Si utiliza un escritorio ampliado, primero debe seleccionar el adaptador de pantalla cuyas propiedades de pantalla desee cambiar.
4. Haga clic en el botón **TV**.
   El televisor ha de estar activado antes de cambiar las propiedades de pantalla.
5. Haga clic en la ficha **Formato**.

6. En el cuadro Formato, seleccione un formato de emisión en la lista.
7. Haga clic en **Aceptar** o **Aplicar** para guardar los cambios que haya introducido y salir de la página Pantallas.
8. Haga clic en **Cerrar**.
9. Haga clic en Sí para reiniciar el sistema.

Modo de escritorio Extendido

En este modo, la pantalla se esparce a ambos monitores. Este modo se puede poner para multiples categorias de monitores, aunque cuando usando ambas monitores, puede limitar RADEON 9600 SERIES a obtener su maxima performance. Por ejemplo, si el segundo Monitor es un TV Monitor, debido a las limitaciones del monitor mismo, la resolucion no se puede poner encima de 800x600 y el refresh rate no se puede poner arriba 60 Hz. Sin embargo, el monitor de PC en tal configuracion puede tener su refresh rate y la resolucion mucho mas alto.



Para configurar Monitor 1 o Monitor 2, en su Pantalla de Configuracion, click el boton derecho de raton en cualquiera de los iconos del monitor para la lista de opciones. Click el boton izquierdo del raton para las opciones que quiera configurar.

RADEON 9600

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